Los Alamos NATIONAL LABORATORY
ESTABLISHED 1943

Technology Transfer Division

Leveraging a Rich Tradition of Premier Science and Technology

For more than sixty years, ensuring the nation's security has been the central theme of Los Alamos National Laboratory's mission. The Laboratory nurtures and sustains a world-class reservoir of scientific and technical talent that is working to preserve our nation's military and economic security and to make the world a better and safer place. This expertise ranges from innovative biological research to modeling global climate, and from novel methods for examining material properties to helping explore the outer reaches of the solar system. The Laboratory also boasts some of the greatest scientific computing power on the planet and the second highest concentration of PhDs in the nation.

Forging Strategic Partnerships with Industry

Building strategic relationships with industry helps the Laboratory bring industrial innovation to its defense work while providing industry partners with access to cutting-edge research resources and talent. The Laboratory's **Technology Transfer (TT) Division** serves as the point of contact for strategic collaborations between private industry and the Laboratory's scientific and technical resources. Acting as a matchmaker between technology partners and Los Alamos technical staff, TT offers a variety of mechanisms for partnering with the Laboratory including

- license agreements
- cooperative research and development agreements (CRADAs)
- industry funds-in (work-for-others) contracts
- personnel exchanges
- technical consulting and assistance
- access to unique research staff and user facilities.

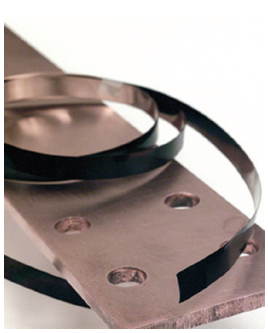
Protecting and Licensing the Laboratory's Intellectual Property

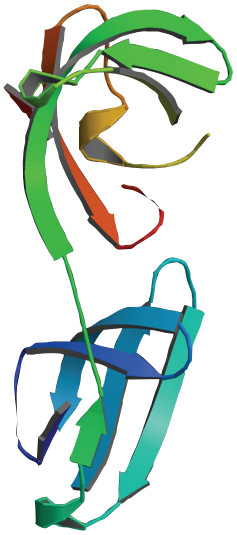
The Laboratory's ability to use the results of its own scientific research and to effectively meet its technology transfer mission depends on the protection of its intellectual property. TT works closely with the Laboratory Counsel's Intellectual Property Office to manage the Laboratory's intellectual property through patents and copyrights. By licensing Laboratory technologies, TT helps to create a vital link between the Laboratory and the private sector that leads to innovative and effective solutions to problems that affect both industry and the Laboratory. TT negotiates, executes, and administers all commercial, non-commercial, and government-use licenses for the Laboratory on behalf of the University of California, for the Department of Energy.

Commercializing Laboratory Technologies and Helping Start-Up Businesses

TT staff actively scout the Laboratory for emerging and leading-edge technologies that could be transferred to private industry. TT works with Laboratory technical staff to assess, package, and market these opportunities to a variety of potential partners, including small business. In this way TT stimulates regional business development by encouraging the commercialization of Laboratory technologies through spin-off, high-tech, startup businesses. The Laboratory has long partnered with small businesses to bring new products and processes to market. Diversification of the northern New Mexico region is a critical part of its mission, hence the Laboratory strongly supports spin-off companies and other high-tech startups. TT offers specific assistance to small businesses and entrepreneurs seeking to locate in the northern New Mexico business community through

- training and networking programs
- market assessments
- market and business planning assistance
- professional consulting services.





Above, the Laboratory complex is spread out over 38 square miles in the Jemez Mountains of northern New Mexico.

Left, flexible superconducting tape carries high currents in high magnetic fields at liquid-nitrogen temperatures

Right, scientists create 3-D images of protein molecules using SOLVE/RESOLVE, licensed to more than 24 companies for commercial use in the biotechnology and pharmaceutical fields. More than 400 licenses have been issued worldwide for noncommercial use of SOLVE/RESOLVE.

For more information regarding technology transfer, please contact us at 505-665-9090 or visit us on the Web at www.lanl.gov/partnerships

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About Los Alamos National Laboratory

From its origins as a secret Manhattan Project laboratory, Los Alamos has attracted world-class scientists and applied their energy and creativity to solving the nation's most challenging problems. That tradition remains today. As one of the U.S. Department of Energy's multi-program, multi-disciplinary research laboratories, Los Alamos thrives on having the best people doing the best science to solve problems of global importance.

The University of California, which has operated the Laboratory for the U.S. government since its inception, has contributed significantly to the scientific quality of the Laboratory's work and technical staff. The UC tradition of world-class science—imprinted by its first director, physicist J. Robert Oppenhiemer—has always been key to the Laboratory's creativity and innovation, sustaining a rich variety of research programs that directly and indirectly support the Laboratory's basic mission of maintaining the nation's nuclear stockpile. As a national research laboratory, success depends on remaining at the forefront of multi-disciplinary and robust science.

The Laboratory's ability to remain at the leading edge of discovery in science and technology is enhanced by ongoing collaborations with industry, academia, and other laboratories. Laboratory-industry partnerships bolster the U.S. economy and increase the nation's global competitiveness. As one of the largest employers in Northern New Mexico, the Laboratory employs over 12,500 people—8,500 UC personnel, more than 3,300 contractor personnel, and approximately 700 postdoc and student personnel—with an annual budget of $2.2 billion. With its salary and benefits, statewide procurements, and community development programs, the Laboratory represents significant economic impact for the region and the state. Approximately one-third of the Laboratory's technical staff members are physicists, one-fourth are engineers, one-sixth are chemists and materials scientists, and the remainder work in mathematics and computational science, biological science, geoscience, and other scientific disciplines. Professional scientists and students come to Los Alamos from all over the world as staff and visitors to participate in scientific projects.